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UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. no. 09/954,596

Filed: September 12, 2001

Art unit: 2183

Confirmation no.: 8857

Attorney docket no. FREI P033-2

Applicant: Gunzinger, Anton

For: A method for rapid communication within a parallel computer system etc.

This paper is being filed by fax 703-746-7239 on November 24, 2002.


Carl Oppedahl

RESPONSE TO OFFICE ACTION

Kindly amend the claims as follows:

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16. (Amended) A method of operating a parallel computer system having at least first and second processor elements, each processor element comprising a processor, a local program memory, a local data memory, a communications manager and an operating system, within each processor element the local program memory, local data memory, and communications manager all communicatively coupled by means of a common bus; the communications managers of the at least first and second processor elements communicatively coupled by means of a message-passing communications network; the processor elements each executing an application; each communications manager further comprising a plurality of predefined values indicative of a plurality of global addresses in which the application of the processor element is interested; the method comprising the steps of:

writing, by the processor of the first processor element, by means of the common bus of the first processor element, a result of a computation into the communications manager of the first processor element;

adding, by the communications manager, a global address to the result of the computation;

Adjustment date: 00/00/0000 06126103
02/06/2003 DWYATT 00000002 150610 09954596
01 FC:1201 336.00-ER

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01 FC:2201 168.00 DA